



"20 Years of Excellence"

Wilshire Software Technologies

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Oracle 12c RAC Schedule	
Day-1	Grid Infrastructure Overview & Review :Introduction of Clusters, Types of Cluster, Components of a Cluster, Hardware Requirement for Clusters, Define Oracle Real Application Clusters, Cluster Characteristics, Introduction to Flex Clusters.
Day-2	Oracle 11g RAC Architecture-1: Introduction to 12c RAC daemons, GRD (Shared Cache),SGA Structures,Background Processes,Row Cache Management.
Day-3	Oracle 11g RAC Architecture-2: Cache coherency, Buffer Cache Management Requirements, Accessing single blocks in RAC, RAC Global Resource Management and Cache Fusion, Select and update Architecture in RAC.
Day-4	Installing & Configuring Oracle RAC : Minimum Requirements for installation, Oracle 12c RAC Installation: OS preparation for RAC, Introduction to Network hardware,Private and Public network configuration.
Day-5	Installing & Configuring Oracle RAC: Groups and Users for Oracle software, Cluster Setup Tasks, Installing Cluster Ready Services, Oracle grid infrastructure installation, Standard Cluster - Flex Cluster
Day-6	Oracle ASM : Introduction to ASM, Advantages of ASM, Parameters used to configure ASM, Managing ASM instance in RAC, ASMdiskgroups.
Day-7	Oracle 12c ASM : ASM background process, ASM Features, RAC and Flex ASM,Benefits of Flex ASM
Day-8	Installing the Oracle Database Software : Install Database Software, Installation options, Creating the Cluster Database, Post-installation Tasks.
Day-9	Creating RAC Database : Parameters and RAC - SPFILE, Identical and Unique Parameters, Instance Startup, Shutdown and Quiesce, Undo Tablespaces in RAC, Redo Threads and Archive Log , Instance Failure And Recovery In RAC - LMON and SMON
Day-10	Clusterware Administration-1 : Flex Cluster - Hub node, Leaf node, RAC administration with srvctl commands, Starting and stopping instances and database
Day-11	Clusterware Administration-2 : Enabling and Disabling instances, RAC administration with crsctl commands, Management of OLR,GPnP profile, Management of OCR and Voting Disk.
Day-12	Adding & Deleting nodes in existing RAC : Adding and deleting New Hub nodes, Adding and deleting New Leaf nodes.
Day-13	Managing Backup & Recovery in RAC using RMAN : RMAN Configuration, Managing Backup and Recovery for RAC, RMAN Admin For RAC: Channels, Instances, Backup Distribution, RMAN Restore and Recovery RAC Considerations, DESIGN FOR HIGH AVAILABILITY :Migration to RAC (single instance to multi-instance).
Day-14	CDB Architecture : Multitenant Architecture: Benefits, Containers, Terminology and Data Dictionary Views, Connection to a Non-RAC CDB, Oracle RAC and Multitenant Configuration, Oracle RAC and Multitenant Architecture .
Day-15	RAC Performance Tuning : Wait Events for RAC, Common RAC Tuning, Session and System Statistics, RAC specific V\$ Views, Automatic Workload Repository , Automatic Database Diagnostic Monitor for RAC.